

## Product datasheet for MR229732

### Gss (NM\_001291111) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gss (NM_001291111) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gss
Synonyms:	A1314904; GS-A/GS-B; GSH-S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229732 representing NM_001291111 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACTCAACATACTGGTGGATGCTGTCAGCCAGAACCAGCCTTCTGGAGCAAACACTGTCTAGCA  
CCATCAAAAAGGACGACTATACTGCCCTCTTTGATATCTACAAGCAAGTCTGAAAGAGGGCATTGC  
CCAGACCGTGTCTGGGCTGAATCGCTCAGATTACATGTTCCAGTGGCGCAGACGGCTCCAAAGCC  
CTGAAACAGATCGAGATCAACACTATCTCTGCCAGCTTTGGGGGCTGGCCTCCCGGACTCCAGCTGTG  
ACCGACACGTTCTCAATGTCTGAATAAGACCAAGAAGCTTCCAAGATCCTGTCCAATAACCCAGCAA  
GGGACTGGCCCTGGGATCGCCAAAGCCTGGGAGCTCTATGGCTCAGCTAATGCGGTGGTACTGATT  
GCTCAAGAGAAGGAAAGGAACATATTTGACCAGCGTGCCGTAGAGAACGAGCTGCTAGACAGGAAGATCC  
ATGTCATCCGTGGAAGATTTGAAGATGTCTGAAAGGGTCTCTGGACCAAACCGAAGGCTGTTTAT  
GGATGACCAGGAAGTTGCTGTGGTGTACTCCGAGATGGCTACATGCCAGTCAGTATAATTCACAGAAC  
TGGGAAGCACGCCTGATGCTAGAGAGATCTCGTGCTCCAAGTGTCCAGACATTGCCATACAGCTGGCTG  
GGACTAAGAAGGTGCAGCAGGAAGTGCAGGGTGGTCTGCTGGAAGCGCTGCTCCCGGCCAGCCTGA  
GGCTGTGGCCCGCTCCGAGCCACCTTTGCTGGCCTCTATTCACTGGACATGGGTGAAGAAGGGGACCAG  
GCCATTGCTGAGGCCCTTGCTGCTCCTAGCCACTTTGTGCTGAAGCCCCAGAGAGGGTGGAGGTAACA  
ACTTATACGGGGAGGAAATGGTACAAGCTCTGGAGCAGCTGAAGGACAGTGAGGAGAGAGCCTCCTACAT  
CCTCATGGAGAAGATTGAACCTGAGCCTTTTAGGAATTGCTTGTACGGCCTGGCAGCCCTGCCAAGTG  
GTCCAGTGTATCTCGGAGCTGGTATTTTTGGAGTCTATGTCAGACAGGGAACAACACTGGTGATGAACA  
AGCATGTGGGCACCTGCTTGAACCAAGCCGTGGAGCATGCAGACGGAGGTGTGGCGCAGGAGTGGC  
AGTCTGGACAACCCCTACCCTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229732 representing NM\_001291111  
 Red=Cloning site Green=Tags(s)

MDFNILVDAVSQNPFLAQTLSSSTIKKDDYTARLFDIYKQVLKEGIAQTVFLGLNRSDFYFQCGADGSKA  
 LKQIEINTISASFGLASRTPAVHRHVLNVLNKTKEASKILSNNSKGLALGIAKAWELYGSANAVLLI  
 AQEKERNIFDQRAVENELDRKIHVIRGRFEDVSEKSLDQNRRLFMDDQEVAVVYFRDGYMPSQYNSQN  
 WEARLMLERSRAAKCPDIAIQLAGTKKVQQLSRVGLLEALLPGQPEAVARLRATFAGLYSLDMGEEGDQ  
 AIAEALAAPSHFVLKPQREGGNNLYGEMVQALEQLKDSEERASYILMEKIEPEPFNRCLLRPGSPAQV  
 VQCISELGIFGVYVRQGTTLMNKHVGHLLRKAWEHADGGVAAGVAVLDNPPYP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

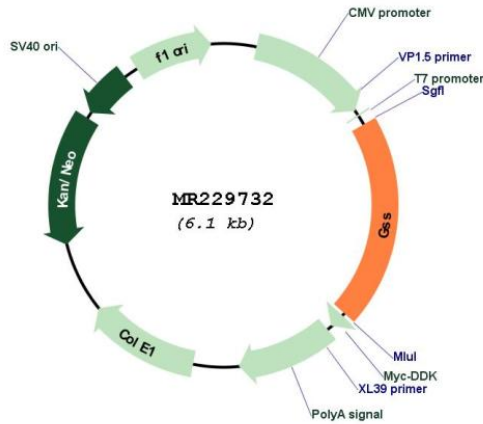
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001291111

<b>ORF Size:</b>	1215 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u>NM_001291111.1, NP_001278040.1</u>
<b>RefSeq Size:</b>	1843 bp
<b>RefSeq ORF:</b>	1218 bp
<b>Locus ID:</b>	14854
<b>Cytogenetics:</b>	2 H1
<b>MW:</b>	45.2 kDa